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| Subject | CHEMISTRY | Grade | 9 |
| Student | | Date | |

ASSESSMENT TASK - NUCLEAR ENERGY

Nuclear energy can be transformed into electrical, thermal and kinetic energy for both positive and negative uses.

You need to **explain** the following:

- The uses of nuclear energy.
- Discuss and evaluate the negative and positive consequences of nuclear energy with **at least two** of the following factors: moral, ethical, social, economic, political, cultural and environmental.

The research and write up is in **pairs**.

This is to be presented as written report on A4 paper.

You will be graded on **Criteria D**.

CRITERIA AND ASSESSMENT RUBRICS

Criterion D: Reflecting on the impacts of science

| level | Level descriptor | Student | Teacher |
|-------|--|---------|---------|
| 0 | The student does not reach a standard described by any of the descriptors below. | | |
| 1-2 | The student is able to, with limited success : i. state the ways in which science is used to address a specific problem or issue ii. state the implications of using science to solve a specific problem or issue, interacting with a factor iii. apply scientific language to communicate understanding iv. document sources. | | |
| 3-4 | The student is able to: i. state the ways in which science is used to address a specific problem or issue ii. state the implications of using science to solve a specific problem or issue, interacting with a factor iii. sometimes apply scientific language to communicate understanding iv. sometimes document sources correctly. | | |
| 5-6 | The student is able to: i. outline the ways in which science is used to address a specific problem or issue ii. outline the implications of using science to solve a specific problem or issue, interacting with a factor iii. usually apply scientific language to communicate understanding clearly and precisely iv. usually document sources correctly. | | |
| 7-8 | The student is able to: i. summarize the ways in which science is applied and used to address a specific problem or issue. ii. describe and summarize the implications of using science and its application to solve a specific problem or issue, interacting with a factor. iii. consistently apply scientific language to communicate understanding clearly and precisely . iv. document sources completely . | | |

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| Student Reflection |
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| Teacher Feedback |
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